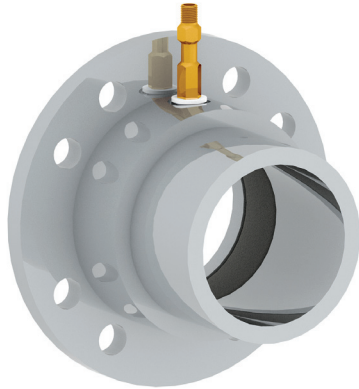




QUALITY MARINE  
EQUIPMENT SINCE 1981



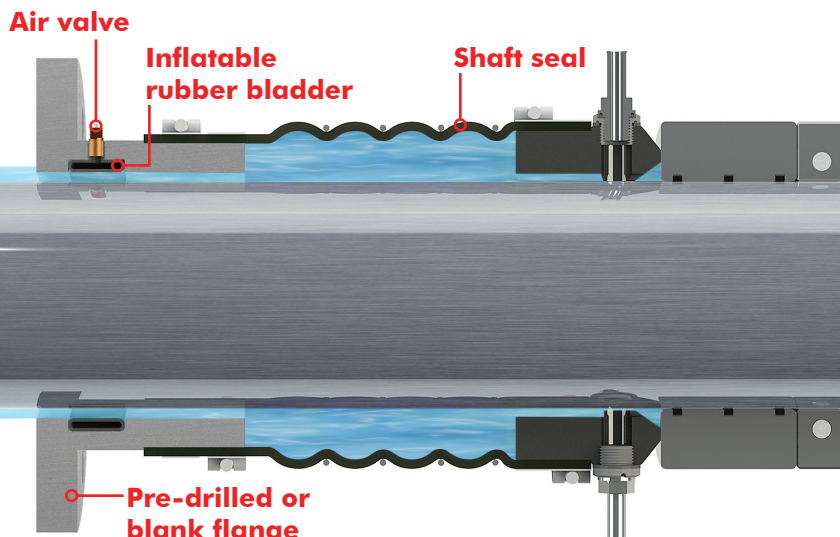
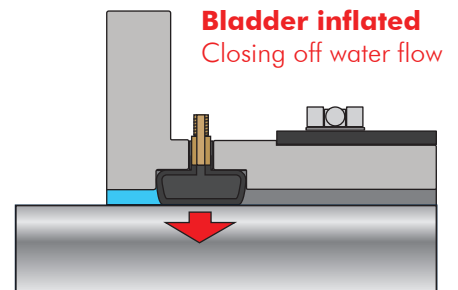
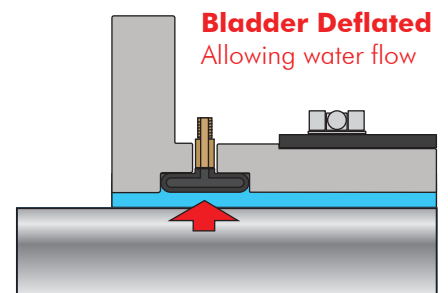
# PACKLESS SEALING SYSTEM SHAFT SEAL

## FLANGE & BLADDER

PYI Inc., manufacturer of the PSS Shaft Seal, is expanding the PSS product line with the recent development of a 'Flange & Bladder System'. This system allows you to seal the stern tube while the shaft is not rotating, in order to inspect, clean or replace components of the shaft seal. Another advantage is that if decoupling of the shaft is needed, this operation can be done in the water as the shaft can be moved aft, while the bladder is inflated, with no water intrusion. Of course, the inflatable bladder system can also be used in case of an emergency.

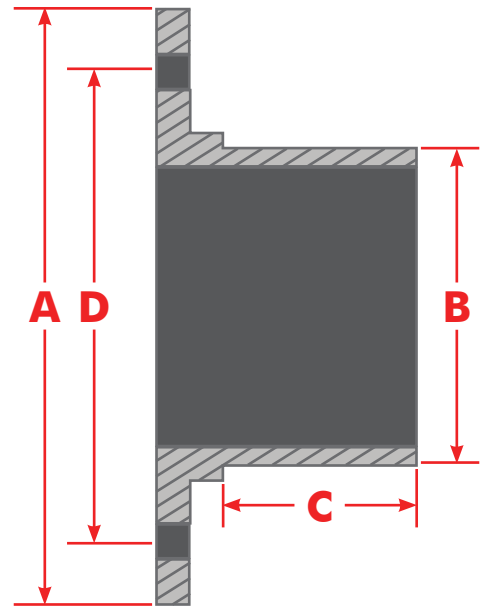
### How It Works

An inflatable rubber bladder (made of Nitrile or rubber) is nested in the flange. Inflate the rubber bladder to approx. 10 - 15 PSI and the bladder will come into contact with the shaft creating a water tight seal. Deflate the rubber bladder to retract the bladder from the shaft allowing water back through (No damage is done to the shaft during this process). Bladder replacement recommended every 10 years under normal use and varies dependant on water condition.



# Flange & Bladder Form

The PSS Flange & Bladder System will fit applications with shafts ranging from 2-1/2" to 7-1/8" (60mm to 180mm) and are available with a blank or pre-drilled flange. Fill out the custom Flange & Bladder form below and we will customize to fit your application. Standard SAE flanges are a stock item, dimensions can be seen on our website at [www.shaftseal.com](http://www.shaftseal.com)



Flange Diameter **(A)**: \_\_\_\_\_

Tube Diameter\* **(B)**: \_\_\_\_\_

Tube Length\* **(C)**: \_\_\_\_\_

Bolt Hole Circle **(D)**: \_\_\_\_\_

\* Not required

## Available Material (check one)

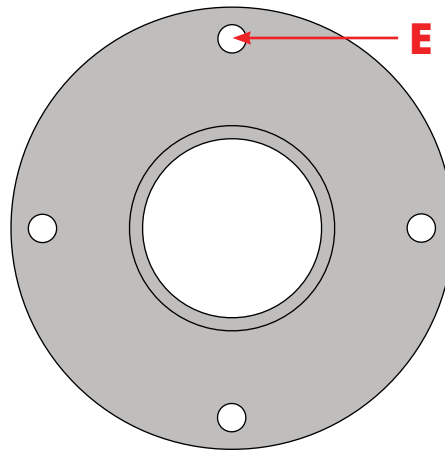
- Steel
- T6-6061 Aluminum
- 316 Stainless Steel

Hole Diameter **(E)**: \_\_\_\_\_

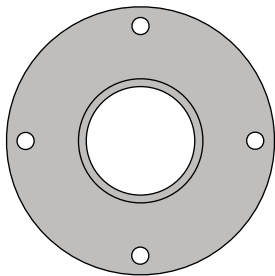
Number of Holes: \_\_\_\_\_

Hole Pattern: \_\_\_\_\_

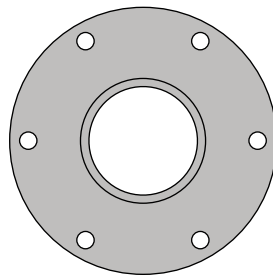
(See hole patterns below)



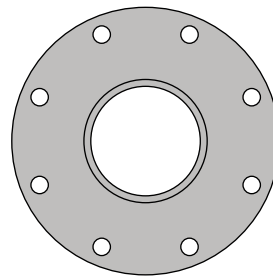
## Hole Patterns



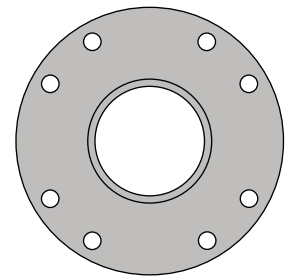
**4 Holes 90°**



**6 Holes 60°**



**8 Holes 45°**



**8 Holes 30/60°**